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EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 56128578
PUBLICATION DATE : 08-10-81

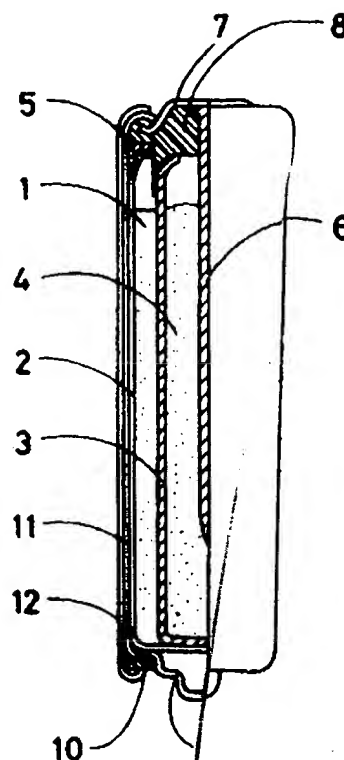
APPLICATION DATE : 12-03-80
APPLICATION NUMBER : 55031379

APPLICANT : HITACHI MAXELL LTD;

INVENTOR : NISO KIYOSHI;

INT.CL. : H01M 4/62

TITLE : ALKALINE BATTERY



ABSTRACT : PURPOSE: To facilitate the forming of a positive electrode and to improve the discharge performance of a battery, by using expanded graphite as a conductive aid to be incorporated in a positive electrode compound.

CONSTITUTION: A cylindrical positive electrode compound 1 is filled with a positive electrode can 2. Into the positive electrode compound 1, a negative electrode compound 4 of amalgamated zinc is filled with a separator 3 interposed therebetween. It is then sealed by a negative electrode terminal plate 7 having a negative electrode collector rod 6 and a gasket 8. A metallic armor can 12 is clinched with a positive electrode terminal plate 9, an annular insulative plate 10, and resin tube 11 interposed to seal the positive electrode can 2, thereby forming an alkaline manganese battery. The positive electrode compound 1 of this battery uses expanded graphite as a conductive aid. This expanded graphite has characteristics between acetylene black and graphite. It is used preferably in an amount of 5-20pts.wt. 100pts of the positive electrode active material.

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